PTO/SB/05 (06-03)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

ZUIKP0109US Attorney Docket No. Hitoshi Satoh First Inventor APPARATUS AND METHOD... Title

[Submit an original and a duplicate for fee processing) Application claims small entity status. See 37 CFR 1.27. Specification [Total Pages 24] Ingeriered arrangement set furth below) - Descriptive tile of the invention - Cross Reference to Releted Applications - Reference to Releted Applications - Reference to Request tiling, a table, or a computer program listing appendix - Background of the Invention - Brief Surmary of	(Only for	new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. ER US	4908010 05				
Computer Program (Appendix) Specification [Total Pages 24] Referred arrangement set forth below) - Descriptive title of the investment or Releted Applications - Cross Reference to Refleted Applications - Cross Reference to Refleted Applications - Reference to Refleted Applications - Reference to Refleted Applications - Brief Sammary of the Invention - Brief Sa	See MPEP		ADDRESS TO: Commiss P.O. Box	sioner for Patents 1450				
Drawing(s) (35 U.S.C. 113) Total Sheets 5 1 10. 37 CFR 3.73(b) Statement Power of Attorney 3. 2. Newly executed (original or copy) 12. 2. 13. 2. 2. 2. 2. 2. 3. 2. 2	(Submi. 2. Applic See 3 3. Specil (prefer - Desc - Cross - State - Refer or a c - Back - Brief - Brief - Detai - Clair	it an original and a duplicate for fee processing) cant claims small entity status. 7 CFR 1.27. fication [Total Pages 24] red arrangement set forth below) riptive title of the invention s Reference to Related Applications ment Regarding Fed sponsored R & D rence to sequence listing, a table, computer program listing appendix ground of the Invention Summary of the Invention Description of the Drawings (if filed) lied Description n(s)	Computer Program (Appe 8. Nucleotide and/or Amino Acid (if applicable, all necessary) a. Computer Reader F b. Specification Seque i. CD-ROM or C ii. Paper c. Statements verifying	endix) Sequence Submission Form (CRF) Ence Listing on: CD-R (2 copies); or				
a. Newly executed (original or copy) 12. Information Disclosure 13. Copies of IDS 14. Statement (IDS)PTO-1449 15. Citations 16. Copy from a prior application (37 CFR 1.63(d)) 17. Citations 18. Statement (IDS)PTO-1449 19. Copies of IDS 19. Copy from a prior application (37 CFR 1.63(d)) 19. Copy from a prior application (37 CFR 1.63(d)) 10. Copy from a prior application (10 SylPTO-1449 11. Citations 12. Citations 13. Return Receipt Postcard (IMPEP 503) 13. Citations 14. Return Receipt Postcard (IMPEP 503) 15. Citations 16. Copy of Priority Document(s) 17. Copy of Priority Document(s) 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: 19. Continuation Divisional Continuation-in-part (CIP) of prior application No.: 19. Continuation or divisional application, from which an oath or declaration is supplied under Box 250, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. 19. CORRESPONDENCE ADDRESS 19. CORRESPONDENCE ADDRESS 19. Correspondence address below 19.			10. 37 CFR 3.73(b) Statem (when there is an assig	ent Power of Attorney				
13.			11. English Translation Document (if applicable) 12. Copies of IDS					
Signed statement attached deleting inventor(s) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. None publication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 (if foreign priority is claimed) 16. None publication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 (if foreign priority is claimed) 17. Other: Certificateof. Express. Mailing. 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Continuation Continuation-in-part (CIP) of prior application No.: Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box (b), is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: OR			13. Preliminary Amendment					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No: Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: OR Correspondence address below Mark D. Saralino Renner, Otto, Boisselle & Sklar, LLP 1621 Euclid Avenue, Nineteenth Floor City Cleveland State Ohio Zip Code 44115-2191 Country U.S. Telephone (216) 621-1113 Fax (216) 621-6165		Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other: Certificate of Express Mailing.					
Prior application information: Examiner For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 55, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: OR Correspondence address below Name Mark D. Saralino Renner, Otto, Boisselle & Sklar, LLP 1621 Euclid Avenue, Nineteenth Floor City Cleveland Country U.S. Telephone (216) 621-1113 Fax (216) 621-6165 Name (Print/Type) Mark D. Saralino Registration No. (Attorney/Agent) 34, 243	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the							
For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Customer Number: OR Correspondence address below Name Mark D. Saralino Renner, Otto, Boisselle & Sklar, LLP 1621 Euclid Avenue, Nineteenth Floor City Cleveland State Ohio Country U.S. Telephone (216) 621-1113 Fax (216) 621-6165 Name (Print/Type) Mark D. Saralino Registration No. (Attorney/Agent) 34, 243								
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Name Mark D. Saralino Renner, Otto, Boisselle & Sklar, LLP 1621 Euclid Avenue, Nineteenth Floor City Cleveland State Ohio Zip Code 44115-2191 Country U.S. Telephone (216) 621-1113 Fax (216) 621-6165 Name (Print/Type) Mark D. Saralino Registration No. (Attorney/Agent) 34, 243	19. CORRESPONDENCE ADDRESS							
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Country U.S. Telephone (216) 621-1113 Fax (216) 621-6165 Name (Print/Type) Mark D. Saralino Registration No. (Attorney/Agent) 34, 243	Carr			Zip Code 44115-2191				
Signature	Country	U.S. Te	elephone (216) 621-1113					
Cimpature 2011	Name (Print/Type) Mark D. Saralino							
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of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (08-03)
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METHOD OF DAYMENT (check all that apply)			FEE CA	ALCHI ATION (continued)		
TOTAL AMOUNT OF PAYMENT	NT (\$) 385.00		Attorney Docket No.	ZUIKP0109US		
Applicant claims small entity status. See 37 CFR 1.27			Art Unit	Not yet assigned		
for FY 2003 Effective 01/01/2003. Patent fees are subject to annual revision.			Examiner Name	Not yet assigned		
			First Named Inventor			
			Filing Date			
경 FEE TRANS	DIVII	IIAL	Application Number	Not yet assigned		
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METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
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Deposit Account:	Fee	Fee		Fee	Fee Description			
Deposit Account 18-0988	Code 1051	(\$) 130	Code 2051	(\$) 65	Surcharge - late filing fee or oath	Fee Paid		
Number Deposit Renner, Otto, Boisselle &	1051	50	2052		Surcharge - late provisional filing fee or			
Account Name Sklar, LLP	1				cover sheet			
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification			
Charge fee(s) indicated below	1812	·	1812		For filing a request for ex parte reexamination			
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920-	Requesting publication of SIR prior to Examiner action	└		
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after			
to the above-identified deposit account.	1251	110	2251	55	Examiner action Extension for reply within first month			
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month			
1. BASIC FILING FEE	1252	950	2253		Extension for reply within third month			
Large Entity Small Entity Fee Fee Fee Fee Fee Description Fee Paid	1254		2254	740	Extension for reply within fourth month			
Code (\$) Code (\$)	1255			1,005	Extension for reply within fifth month			
1001 770 2001 385 Utility filing fee 385	l	•			• •			
1002 340 2002 170 Design filing fee	1401	330	2401		Notice of Appeal			
1003 530 2003 265 Plant filing fee	1402	330	2402		Filing a brief in support of an appeal			
1004 770 2004 385 Reissue filing fee	1403	290	2403		Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451		1451	•	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 385.00	1452	110	2452		Petition to revive - unavoidable			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453		2453		Petition to revive - unintentional			
Fee from	1501		2501		Utility issue fee (or reissue)	 		
Extra Claims below Fee Paid Total Claims 19 $-20^{++} = 0$ X 9 $= 0$	1502 1503	480 640	2502 2503		Design issue fee Plant issue fee			
Independent 2 2** - 0 × 43 = 0	1460	130	1460		Petitions to the Commissioner			
Claims L2 3 - U A 23 4 U A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A		50	1807					
Large Entity Small Entity	1807				Processing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt Recording each patent assignment per			
Code (\$)	8021	40	8021	1 40	property (times number of properties)			
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))			
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be			
1204 86 2204 43 ** Reissue independent claims	1010			, ,	examined (37 CFR 1.129(b))			
over original patent	1801	770	2801	385	Request for Continued Examination (RCE)			
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application			
	Other	Other fee (specify)						
SUBTOTAL (2) (\$) 0.00				iling F	ee Paid SUBTOTAL (3) (\$)			
SUBMITTED BY (Complete (if applicable)								
Name (Print/Type) Mark D. Saralino Begistration No. 34,243 Telephone (216) 621-1113								

October 28, 2003 Date Signature

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Atty Docket No. ZUIKP0109US

APPARATUS AND METHOD FOR PRODUCING ARTICLE by

Hitoshi Satoh

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that the attached patent application (along with any other paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on this date <u>October 28, 2003</u>, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number <u>ER 054908010 US</u> addressed to the: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mark D. Saralino

(Typed or Printed Name of Person Mailing Paper)

(Signature of Person Mailing Paper)

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